#### I. PROJECT PLANNING (23%) - Establish project objectives and develop scope of hydrogeologic work.

Subdomain	Task	Knowledge
Subdomain  A. PROBLEM DEFINITION (11%)	Task  T6. Identify needs for water supply protection.  T11. Identify needs for water supply restoration/remediation.  T16. Identify need to perform a contamination assessment based on legal/regulatory requirements.  T25. Identify groundwater	<ul> <li>Knowledge</li> <li>K1. Knowledge of the major components of groundwater supply systems.</li> <li>K6. Knowledge of the sources of hydrogeologic data and their meanings.</li> <li>K11. Knowledge of the hydrologic cycle.</li> <li>K16. Knowledge of beneficial use as designated by state law.</li> <li>K26. Knowledge of the effect of federal, state, and local water quality standards on the evaluation of water quality data.</li> <li>K31. Knowledge of specific regulatory agencies that have jurisdictional authority over a water supply.</li> <li>K35. Knowledge of specific regulatory agencies that have jurisdictional authority over</li> </ul>
	management issues and alternatives.  T29. Identify potential sources of water supply.  T33. Identify water resource impacts on designated beneficial use.  T45. Identify consequences of groundwater management decisions on future land and water uses.  T60. Develop a conceptual hydrogeologic model.	water quality protection.  K43. Knowledge of the methods to develop conceptual hydrogeologic models.  K47. Knowledge of the effects of existing site conditions on field studies.  K88. Knowledge of the hazards of chemical contaminant exposure.  K116. Knowledge of the standards of practice for site investigation and remediation.  K130. Knowledge of general hydrogeology of Washington.  K131. Knowledge of regulations pertaining to water rights and water law in Washington.

#### I. PROJECT PLANNING (23%) - Establish project objectives and develop scope of hydrogeologic work.

Subdomain		Task		Knowledge			
B. APPROACH	T21.	Identify need for control of	K6.	Knowledge of the sources of hydrogeologic data and their meanings.			
(12%)		groundwater flow direction or	K11.				
		head relevant to engineered		Knowledge of beneficial use as designated by state law.			
		controls.	K26.	Knowledge of the effect of federal, state, and local water quality standards on			
	T37.	Identify consequences of		the evaluation of water quality data.			
		changes to water table or	K31.	Knowledge of specific regulatory agencies that have jurisdictional authority			
		potentiometric surface.		over a water supply.			
	T49.	Identify existing site conditions that may constrain investigation	K35.	Knowledge of specific regulatory agencies that have jurisdictional authority over water quality protection.			
		approach.		Knowledge of the methods to develop conceptual hydrogeologic models.			
	T56.	Prepare schedule and identify		Knowledge of the effects of existing site conditions on field studies.			
		location for soil and/or groundwater remediation.	K52.	Knowledge of the advantages and disadvantages of different site investigation methods.			
	T64.	Develop an investigation	K56.	Knowledge of the advantages and disadvantages of different drilling methods.			
		approach to achieve project	K60.	Knowledge of the advantages and disadvantages of different sampling			
		objectives.		methods.			
	T68.	Identify type, collection		Knowledge of the use and limitations of various aquifer test methods.			
		methods, quantity and quality of data needed to achieve project	K72.	Knowledge of the advantages and disadvantages of different measurements of field water quality parameter methods.			
		objectives.	K76.	Knowledge of the effects of groundwater on soil and rock stability.			
	T76.	Develop a groundwater	K80.				
		investigation workplan.		hydrologic, and water quality data.			
	T80.	Develop a groundwater		Knowledge of the regulations pertaining to health and safety at a worksite.			
		monitoring program.		Knowledge of the hazards of chemical contaminant exposure.			
			K92.	Knowledge of the advantages and disadvantages of laboratory methods to			
				determine physical properties of soil, rock, water, gas, and waste samples.			
			K96.	Knowledge of the advantages and disadvantages of laboratory methods to			
				determine chemical concentrations in soil, rock, water, gas, and waste			
			1/400	samples.			
				. Knowledge of the components of a monitoring program.			
				. Knowledge of statistical methods to evaluate sample populations.			
			r\ 108	. Knowledge of permits required for hydrogeologic investigation, construction, and destruction.			
			K112				
				. Knowledge of the elements of groundwater monitoring programs Knowledge of the standards of practice for site investigation and remediation.			
				. Knowledge of the standards of practice for site investigation and remediation.  . Knowledge of general hydrogeology of Washington.			

#### II. FIELD DATA ACQUISITION (22%) — Perform surface and subsurface exploration and document groundwater conditions.

Subdomain	Task	Knowledge
A. FIELD	T7. Verify current conditions and	K2. Knowledge of geologic logging techniques.
OBSERVATION (14%)	site features in the field.	K7. Knowledge of interpretive techniques for aerial photographs and maps.
(1470)	T17. Identify water resource	K17. Knowledge of the interaction between groundwater and surface water.
	boundaries and zones from	K27. Knowledge of borehole geophysical investigation techniques.
	available data or field	K32. Knowledge of site reconnaissance and field mapping techniques.
	observations.	K36. Knowledge of the procedures to decontaminate drilling equipment and sampling
	T43. Prepare field notes, boring logs	tools
	and well construction details to	K40. Knowledge of borehole drilling and well completion techniques to prevent cross-
	illustrate subsurface conditions.	contamination of aquifers.
	T57. Evaluate the physical condition	K44. Knowledge of drilling techniques and construction practices for different types of
	and construction of existing	water supply wells.
	wells.	K48. Knowledge of state and federal laws, regulations, and policies pertaining to
	T63. Identify lithology, stratigraphy,	groundwater protection.
	structure, changes in moisture,	K53. Knowledge of the classification systems for soil and rock.
	water levels, and other	K55. Knowledge of the methods to determine hydraulic properties of saturated earth
	properties of geologic materials	materials.
	based on field observations to	K57. Knowledge of the methods to determine hydraulic properties of unsaturated
	interpret groundwater	earth materials
	conditions.	K59. Knowledge of techniques to site wells.
	T65. Interpret borehole geophysical	K61. Knowledge of different types of wells.
	logs to determine aquifer	K63. Knowledge of techniques to measure water level in wells.
	stratigraphy and properties.	K65. Knowledge of techniques to measure well discharge.
	T73. Assess well performance. T81. Supervise well drilling,	K67. Knowledge of the practical significance and implications of equilibrium and non-equilibrium aguifer tests.
	installation, development and	K71. Knowledge of the use and limitations of various aquifer test methods.
	testing.	K73. Knowledge of field procedures for aquifer tests.
	-	K75. Knowledge of the similarities and differences in fractured and porous
		groundwater flow systems.
		K79. Knowledge of the techniques to measure groundwater flow in wells.
		K81. Knowledge of the procedures for assessing background fluctuations in water
		levels in wells.
		K83. Knowledge of well bore storage and skin effects on aquifer test results.
		K85. Knowledge of the techniques to analyze aquifer test data.

#### II. FIELD DATA ACQUISITION (22%) — Perform surface and subsurface exploration and document groundwater conditions.

Subdomain	Task	Knowledge
A. FIELD OBSERVATION (CONTINUED)	lask	Knowledge of the effects of climate data on hydrogeologic investigations.  K91. Knowledge of the analytical and numerical methods to determine hydraulic parameters for aquifers.  K97. Knowledge of the techniques and procedures used for water budget evaluations.  K99. Knowledge of the effects of boundary conditions on water levels during pumping.  K101. Knowledge of techniques to construct wells.  K105. Knowledge of the techniques to obtain soil samples.  K107. Knowledge of the techniques to obtain water samples.  K109. Knowledge of the techniques to measure groundwater flow velocity.  K115. Knowledge of the techniques to select a filter pack and screen size based on sieve analysis.  K117. Knowledge of the limitations of field screening techniques for soil and groundwater samples.  K119. Knowledge of inorganic water chemistry.  K123. Knowledge of the statistical methods to evaluate soil or groundwater data.  K124. Knowledge of general hydrogeology of Washington.  K130. Knowledge of pertinent health and safety regulations.

#### II. FIELD DATA ACQUISITION (22%) — Perform surface and subsurface exploration and document groundwater conditions.

Subdomain		Task		Knowledge
B. DATA	T38.	Collect samples of surface or	K2.	Knowledge of geologic logging techniques.
COLLECTION		soil gas to evaluate soil or	K17.	Knowledge of the interaction between groundwater and surface water.
(8%)		groundwater conditions.	K36.	Knowledge of the procedures to decontaminate drilling equipment and sampling
	T42.	Collect samples of soil to		tools.
		evaluate soil or groundwater	K48.	Knowledge of state and federal laws, regulations, and policies pertaining to
		conditions.		groundwater protection.
	T46.	Collect samples of sediment or	K53.	Knowledge of the classification systems for soil and rock.
		waste to evaluate soil or groundwater conditions.	K55.	Knowledge of the methods to determine hydraulic properties of saturated earth materials.
	T50.	Collect samples of ground or surface water to evaluate	K57.	Knowledge of the methods to determine hydraulic properties of unsaturated earth materials.
		groundwater conditions.	K61.	Knowledge of different types of wells.
	T53.	Obtain physical or chemical		Knowledge of techniques to measure water level in wells.
		parameters from the laboratory	K65.	Knowledge of techniques to measure well discharge.
		to determine interaction	K87.	Knowledge of the effects of climate data on hydrogeologic investigations.
		between vadose zone and	K93.	Knowledge of the analytical and numerical methods to model contaminant fate
		groundwater.		and transport.
	T67.	Measure groundwater levels or	K103	. Knowledge of the techniques to obtain gas samples.
		free product thickness from		. Knowledge of the techniques to obtain soil samples.
		wells.		. Knowledge of the techniques to obtain water samples.
	T69.	Measure field water quality		. Knowledge of fate and transport processes for chemical constituents.
		parameters.	K117	. Knowledge of the limitations of field screening techniques for soil and
	T88.	Measure water flow and		groundwater samples.
		discharge rates.		Knowledge of inorganic water chemistry.
			K122	. Knowledge of the physical and chemical properties of organic compounds in soil and groundwater.
			K123	. Knowledge of the statistical methods to evaluate soil or groundwater data.
				. Knowledge of methods to measure water flow and discharge rates.
				. Knowledge of pertinent health and safety regulations.
			K134	. Knowledge of techniques to measure surface water.

**III. DATA EVALUATION (32%)** – Interpret data from historic, field, and laboratory sources and evaluate technical and economic feasibility of groundwater projects.

Subdomain		Task		Knowledge
A. DATA	T2.	Identify previous land uses and	K7.	Knowledge of interpretive techniques for aerial photographs and maps.
INTERPRETATION (13%)		conditions from photographs,	K8.	Knowledge of the effects of natural and human activities on groundwater
(13%)		topographic maps, and other		quality, groundwater quantity, and subsurface drainage.
		available historical sources.		Knowledge of the interaction between groundwater and surface water.
	T8.	Interpret hydrogeologic		Knowledge of surface geophysical investigation techniques.
		boundaries, heterogeneity,	K23.	Knowledge of the effects of climate on natural groundwater recharge
		and/or anisotropy from single	K27.	
		or multi-well tests.	K28.	Knowledge of the principles of groundwater flow pertaining to confined and
	T12.	Identify possible		unconfined aquifers.
		recharge/discharge areas from		Knowledge of site reconnaissance and field mapping techniques.
		maps, photographs, and	K33.	Knowledge of the effects of groundwater pumping on confined and unconfined
		historic records.		aquifers.
	T26.	Identify the applicable data for	K49.	Knowledge of the physical and chemical properties of contaminants affecting
		hydrogeologic analysis by		fate and transport.
		reviewing existing documents,		Knowledge of classification systems for soil and rock.
		records, maps, and well logs.		Knowledge of the chemical and biochemical transformations of contaminants.
	T27.	Identify surface	K55.	Knowledge of the methods to determine hydraulic properties of saturated
		water/groundwater		earth materials.
		interactions.	K58.	Knowledge of the conditions that influence gas or fluid flow through an
	T30.	Evaluate data to prepare		unsaturated/vadose zone.
		hydrologic inventory/water		Knowledge of the factors that affect migration of contaminants through soil.
		balance.		Knowledge of the effects of hydrogeologic facies on groundwater flow.
	139.	Characterize nature and extent	K67.	Knowledge of the practical significance and implications of equilibrium and
		of contamination based on		non-equilibrium aquifer tests.
		laboratory analysis of soil, soil		Knowledge of artificial recharge methods.
		gas or groundwater samples.		Knowledge of the use and limitations of various aquifer test methods.
	147.	Prepare interpretive	K74.	Knowledge of graphical and tabular techniques for analysis and presentation
		hydrogeologic illustrations.		of hydrogeologic data.
	158.	Interpret trends from water	K75.	Knowledge of the similarities and differences in fractured and porous
		level and/or quality data.	1/70	groundwater flow systems.
	162.	Prepare graphical	K78.	Knowledge of the methods to calculate hydraulic gradients.
		representations of water	1404	Manufacture of the consequence for a second in the charge and floor ( )
	T00	quality data.	K81.	Knowledge of the procedures for assessing background fluctuations in water
	189.	Evaluate fluid density effects.	KOO	levels in wells.
			K82.	Knowledge of the methods to calculate groundwater flow rate and volume.

Subdomain	Task	Knowledge
Subdomain  A. DATA INTERPRETATION (CONTINUED)	K85 K87 K91 K97 K98 K99 K10 K11 K11 K11 K11 K11 K12 K12	Knowledge of the techniques to analyze aquifer test data. Knowledge of the effects of climate data on hydrogeologic investigations. Knowledge of the analytical and numerical methods to determine hydraulic parameters for aquifers. Knowledge of the techniques and procedures used for water budget evaluations. Knowledge of the analytical and numerical models that simulate groundwater and vapor phase flow. Knowledge of the effects of boundary conditions on water levels during pumping. Knowledge of the physical models that simulate solute transport. Knowledge of statistical methods to evaluate sample populations. Knowledge of analytical and numerical models that simulate solute transport. Knowledge of the unsaturated flow models that simulate moisture movement in the vadose zone. Knowledge of the models for contaminant fate and transport in the vadose and unsaturated zones. Knowledge of inorganic water chemistry. Knowledge of the methods to evaluate natural attenuation in groundwater. Knowledge of physical and chemical properties of organic compounds in soil and groundwater.
	K12	and groundwater.  4. Knowledge of the relationship between fresh water and saline water in aquifers.

Subdomain		Task		Knowledge
B. DATA ANALYSIS	T3. Ana		K8.	Knowledge of the effects of natural and human activities on groundwater quality and
(10%)		tration/percolation		quantity.
		a to calculate		Knowledge of the interaction between groundwater and surface water.
				Knowledge of the effects of climate on natural groundwater recharge.
		meability.	K28.	Knowledge of the principles of groundwater flow pertaining to confined and unconfined
		lineate the nature		aquifers.
		d extent of		Knowledge of the effects of groundwater pumping on confined and unconfined aquifers.
		undwater	K40.	Knowledge of borehole drilling and well completion techniques to prevent cross-
		ntamination.		contamination of aquifers.
			K49.	Knowledge of the physical and chemical properties of contaminants affecting fate and
		phs of water level		transport.
	data			Knowledge of the classification systems for soil and rock.
				Knowledge of the chemical and biochemical transformations of contaminants.
		d horizontal	K55.	Knowledge of the methods to determine hydraulic properties of saturated earth
		Iraulic gradients.		materials.
		Iculate hydraulic	K58.	Knowledge of the conditions that influence gas or fluid flow through an
		ameters from		unsaturated/vadose zone.
		uifer test data.		Knowledge of different types of wells.
				Knowledge of the factors that affect migration of contaminants through soil.
	para			Knowledge of techniques to measure water level in wells.
				Knowledge of techniques to measure well discharge.
				Knowledge of the effects of hydrogeologic facies on groundwater flow.
		nsport of	K67.	Knowledge of the practical significance and implications of equilibrium and non-
		ntaminants in		equilibrium aquifer tests.
				Knowledge of artificial recharge methods.
				Knowledge of the use and limitations of various aquifer test methods.
				Knowledge of field procedures for aquifer tests.
		•	K74.	Knowledge of graphical and tabular techniques for analysis and presentation of
		ntour maps.		hydrogeologic data.
	T87. Pre		K75.	Knowledge of the similarities and differences in fractured and porous groundwater flow
		oconcentration		systems.
	cor	ntour map.	K77.	Knowledge of the characteristics of nonlaminar flow in saturated and unsaturated
				systems.
				Knowledge of the methods to calculate hydraulic gradients.
			K81.	Knowledge of the procedures for assessing background fluctuations in water levels in wells.

Subdomain	Task	Knowledge
Subdomain  B. DATA ANALYSIS (CONTINUED)	Task	<ul> <li>K82. Knowledge of the methods to calculate groundwater flow rate and volume.</li> <li>K83. Knowledge of well bore storage and skin effects on aquifer test results.</li> <li>K85. Knowledge of the techniques to analyze aquifer test data.</li> <li>K87. Knowledge of the effects of climate data on hydrogeologic investigations.</li> <li>K90. Knowledge of the physical models that simulate groundwater and vapor phase flow.</li> <li>K91. Knowledge of the analytical and numerical methods to determine hydraulic parameters for aquifers.</li> <li>K93. Knowledge of the analytical and numerical methods to model contaminant fate and transport.</li> <li>K98. Knowledge of the analytical and numerical models that simulate groundwater and vapor phase flow.</li> <li>K99. Knowledge of the effects of boundary conditions on water levels during pumping.</li> <li>K101. Knowledge of techniques to construct wells.</li> <li>K102. Knowledge of the physical models that simulate solute transport.</li> <li>K107. Knowledge of the techniques to obtain water samples.</li> <li>K108. Knowledge of analytical and numerical models that simulate solute transport.</li> <li>K110. Knowledge of analytical and numerical models that simulate solute transport.</li> <li>K111. Knowledge of the unsaturated flow models that simulate moisture movement in the vadose zone.</li> <li>K117. Knowledge of the limitations of field screening techniques for soil and groundwater samples.</li> <li>K118. Knowledge of the models for contaminant fate and transport in the vadose and unsaturated zones.</li> <li>K119. Knowledge of the methods to evaluate natural attenuation in groundwater.</li> <li>K122. Knowledge of the physical and chemical properties of organic compounds in soil and groundwater.</li> </ul>
		K123. Knowledge of the statistical methods to evaluate soil or groundwater data.

Subdomain	Task	Knowledge
C. FEASIBILITY STUDIES (9%)	T4. Evaluate remedial technologies for soil or groundwater.	<ul> <li>K4. Knowledge of the advantages and disadvantages of soil remediation systems.</li> <li>K8. Knowledge of the effects of natural and human activities on groundwater quality, groundwater quantity, and subsurface drainage.</li> </ul>
	T14. Develop cleanup	K9. Knowledge of the advantages and disadvantages of groundwater remediation systems.
	goals for soil or	K14. Knowledge of comparative costs for hydrogeologic portions of remedial alternatives.
	groundwater	K16. Knowledge of beneficial use as designated by state law.
	remediation.	K17. Knowledge of the interaction between groundwater and surface water.
	T19. Develop criteria for a	K19. Knowledge of the techniques and procedures to evaluate water supply alternatives.
	groundwater	K23. Knowledge of the effects of climate on natural groundwater recharge.
	control/remediation	K24. Knowledge of the guidelines to establish cleanup goals.
	system. T31. Estimate potential	K28. Knowledge of the principles of groundwater flow pertaining to confined and unconfined aquifers.
	impacts of water resource	K29. Knowledge of the methods to design and perform pilot tests for water supply or remediation.
	development or use.	K33. Knowledge of the effects of groundwater pumping on confined and unconfined
	T86. Estimate	aquifers.
	contaminant levels for use in risk	K45. Knowledge of the types and sources of contaminants associated with specific categories of land use and industrial processes.
	assessment.	K49. Knowledge of the physical and chemical properties of contaminants affecting fate and transport.
		<ul><li>K54. Knowledge of the chemical and biochemical transformations of contaminants.</li><li>K58. Knowledge of the conditions that influence gas or fluid flow through an</li></ul>
		unsaturated/vadose zone.
		K62. Knowledge of the factors that affect migration of contaminants through soil.
		K66. Knowledge of the effects of hydrogeologic facies on groundwater flow.
		K70. Knowledge of artificial recharge methods.
		K82. Knowledge of the methods to calculate groundwater flow rate and volume.
		K86. Knowledge of the methods to design well fields for groundwater production.
		K98. Knowledge of the analytical and numerical models that simulate groundwater and vapor phase flow.
		K118. Knowledge of the models for contaminant fate and transport in the vadose and
		unsaturated zones.
		K120. Knowledge of the methods to evaluate natural attenuation in groundwater.
		K131. Knowledge of regulations pertaining to water rights and water laws in Washington.

## IV. DESIGN, INSTALLATION, AND IMPLEMENTATION (23%) – Design monitoring and production wells, and design programs for treatment and production systems.

	Task		Knowledge
T5.	Design a resource protection	K5.	Knowledge of permit requirements for construction of water supply and treatment systems.
	well.	K8.	Knowledge of the effects of natural and human activities on groundwater quality, groundwater
T10.	Design a groundwater		quantity, and subsurface drainage.
	production well.	K10.	Knowledge of permit requirements for operation of supply and treatment systems.
T20.	Provide hydrogeologic	K11.	Knowledge of the hydrologic cycle.
	information for design of a	K17.	Knowledge of the interaction between groundwater and surface water.
	water supply system.	K20.	Knowledge of well construction techniques that prevent cross-contamination.
T24.	Design a monitoring plan for	K23.	Knowledge of the effects of climate on natural groundwater recharge.
	natural attenuation remedy.	K25.	Knowledge of well construction materials that minimize impact to water quality.
T28.	Design a monitoring plan for	K26.	Knowledge of the effect of federal, state, and local water quality standards on the evaluation of water
	remedial treatment system.		quality data.
T32.	Design a monitoring plan for	K28.	Knowledge of the principles of groundwater flow pertaining to confined and unconfined aquifers.
	waste management units.	K30.	Knowledge of state and federal requirements pertaining to well construction/decommissioning.
T36.	Verify performance of a	K31.	Knowledge of specific regulatory agencies that have jurisdictional authority over a water supply.
	remedial system.	K33.	Knowledge of the effects of groundwater pumping on confined and unconfined aquifers.
T40.	Supervise decommissioning	K34.	Knowledge of post-closure monitoring requirements.
	of wells.	K35.	Knowledge of specific regulatory agencies that have jurisdictional authority over water quality
T78.	Design a well field including		protection.
	number, location, flow rate,	K38.	Knowledge of well design criteria for resource protection wells.
	and spacing of wells.	K39.	Knowledge of specific regulatory agencies that have jurisdictional authority over water rights.
T90.	Design a monitoring plan for	K40.	Knowledge of borehole drilling and well completion techniques to prevent cross-contamination of
	water supply system.		aquifers.
T91.	Design a well rehabilitation		Knowledge of well design criteria for production wells.
	plan.		Knowledge of the methods to develop conceptual hydrogeologic models.
T92.	Design a dewatering system	K44.	Knowledge of drilling techniques and construction practices for different types of water supply wells.
	to meet site-specific	K45.	Knowledge of the types and sources of contaminants associated with specific categories of land use
	requirements.		and industrial processes.
T93.	Design a groundwater	K46.	Knowledge of well design criteria for vapor extraction wells.
	injection/recharge system.	K48.	Knowledge of state and federal laws, regulations, and policies pertaining to groundwater protection.
T94.	Design a wellhead	K56.	Knowledge of the advantages and disadvantages of different drilling methods.
	protection plan.	K58.	Knowledge of the conditions that influence gas or fluid flow through an unsaturated/vadose zone.
T95.	Provide hydrogeologic	K59.	Knowledge of techniques to site wells.
	information as applied to	K66.	Knowledge of the effects of hydrogeologic facies on groundwater flow.
	water rights.	K70.	Knowledge of artificial recharge methods.
		K75.	Knowledge of similarities and differences in fractured and porous groundwater flow systems.
		K78.	Knowledge` of the methods to calculate hydraulic gradients.

# IV. DESIGN, INSTALLATION, AND IMPLEMENTATION (23%) – Design monitoring and production wells, and design programs for treatment and production systems.

Task	Knowledge
	K82. Knowledge of the methods to calculate groundwater flow rate and volume.
	K86. Knowledge of the methods to design well fields for groundwater production.
	K93. Knowledge of the analytical and numerical methods to model contaminant fate and transport.
	K98. Knowledge of the analytical and numerical models that simulate groundwater and vapor phase flow.
	K99. Knowledge of the effects of boundary conditions on water levels during pumping.
	K100. Knowledge of the components of a monitoring program.
	K101. Knowledge of techniques to construct wells.
	K119. Knowledge of inorganic water chemistry.
	K120. Knowledge of the methods to evaluate natural attenuation in groundwater.
	K125. Knowledge of the potential impact of groundwater extraction on land subsidence.
	K131. Knowledge of regulations pertaining to water rights and water laws in Washington.
	K135. Knowledge of techniques for well rehabilitation.